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UNC93B1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13109

Product Information

Application	WB
Primary Accession	Q9H1C4
Other Accession	NM_030930, NP_112192
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66631

Additional Information

Gene ID	81622
Alias Symbol	MGC126617, UNC93, UNC93B, IIAE1, Unc-93B1
Other Names	Protein unc-93 homolog B1, Unc-93B1, hUNC93B1, UNC93B1, UNC93, UNC93B
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-UNC93B1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	UNC93B1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

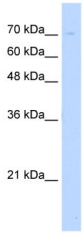
Name	UNC93B1 (HGNC:13481)
Synonyms	UNC93, UNC93B
Function	Plays an important role in innate and adaptive immunity by regulating nucleotide-sensing Toll-like receptor (TLR) signaling. Required for the transport of a subset of TLRs (including TLR3, TLR7 and TLR9) from the endoplasmic reticulum to endolysosomes where they can engage pathogen nucleotides and activate signaling cascades. May play a role in autoreactive B-cells removal.
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Endosome

	Lysosome. Cytoplasmic vesicle, phagosome Note=Relocalizes from endoplasmic reticulum to endosome and lysosome upon cell-stimulation with CpG dinucleotides (By similarity) Colocalizes with LAMP5 in large endosomal intracellular vesicles {ECO:0000250, ECO:0000269|PubMed:18082565, ECO:0000269|PubMed:21642595}
Tissue Location	Expressed in plasmocytoid dendritic cells (at protein level). Highly expressed in antigen-presenting cells. Expressed in heart, and at lower level in kidney. Expressed at low level in other tissues.

References

Kashuba V.I.,et al.Gene 283:209-217(2002).
Taylor T.D.,et al.Nature 440:497-500(2006).
Kollewe A.,et al.Thesis (2001), University of Hannover, Germany.
Olsen J.V.,et al.Cell 127:635-648(2006).
Casrouge A.,et al.Science 314:308-312(2006).

Images



WB Suggested Anti-UNC93B1 Antibody Titration: 5.0µg/ml
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.